

**REMARKS**

Claims 1-2, 21, 24-25, 31 and 34-36 are pending in this application. By this Amendment, claims 21, 24-25, 31 and 34 are amended.

Entry of the amendments is proper under 37 C.F.R. §1.116 because the amendments: (1) place the application in condition for allowance; (2) do not raise any new issues requiring further search and/or consideration; and/or (3) place the application in better form for appeal, should an appeal be necessary. More specifically, the above amendments to independent claims 21 and 31 merely clarify previously-claimed subject matter and/or correspond to allowable subject matter from independent claims 1 and 36 (so as to reduce the number of outstanding issues). No new issues are raised. Entry is thus proper under 37 C.F.R. §1.116.

Applicant gratefully acknowledges the Office Action's indication that claims 1-2 and 36 are allowed. However, as stated below, all claims are believed to be allowed. That is, each of independent claims 21 and 31 includes allowable features as discussed on page 3, last paragraph of the Office Action.

The Office Action rejects claims 21, 24-25, 31 and 34-35 under 35 U.S.C. §103(a) by U.S. Patent 6,219,839 to Sampsell in view of U.S. Patent 6,084,638 to Hare. The rejection is respectfully traversed with respect to the pending claims.

Independent claim 21 recites generating, in a television, control signals including at least one of a mouse signal, a keyboard signal, a microphone signal and control signals for controlling a personal computer. Independent claim 21 also recites encoding, in the television, the generated control signals. Still further, independent claim 21 recites generating, in the television, a packet

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signal by using the encoded control signals. Additionally, independent claim 21 recites sending the generated packet signal to a personal computer, and receiving the generated packet signal sent from the television. Also, independent claim 21 recites decoding the received signal for input into a circuit of the personal computer, and performing the function of the personal computer according to the decoded signal.

The applied references do not teach or suggest at least these features of independent claim 21. Applicant respectfully submits that independent claim 21 is allowable for at least similar reasons as set forth on page 3, last paragraph of the Office Action. The Office Action (on page 5) also states that Sampsell does not disclose transmitting one of mouse data, keyboard data and microphone data and generating and encoding at a TV one of mouse data, keyboard data and microphone data. The Office Action then relies on Hare's disclosure as teaching these missing features. However, the cited sections of Hare do not relate to encoding (in the television) the generated control signals and generating (in the television) a packet signal by using the encoded control signals, as recited in independent claim 21.

Hare discloses that a USB hub device receives keyboard, mouse, joystick and microphone input data and transmits that data as multiplex serialized packet data through transmitter 22 along back channel 21 through receiver 12 to PC interface unit 10 connected to PC 2. See col. 7, lines 12-16 and col. 11, lines 18-27. This does not teach or suggest the features relating to the encoding, in the television, the generated control signals in combination with generating, at the television, a packet signal by using the encoded control signals. For example, the features discussed at col. 7, lines 12-26 do not relate to "in a television." Rather, Hare only

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describes that input data is received at a location of the TV receiver 4 and is transmitted to the PC. See col. 6, lines 40-43 and col. 6, line 64-col. 7, line 20. There is no suggestion that Hare's keyboard 27a and mouse 27b are part of the TV receiver 4. Additionally, the USB hub 26 is not located within TV receiver 4. Thus, independent claim 21 defines patentable subject matter.

Independent claim 31 recites a first interface unit in a television, and a second interface unit coupled to a personal computer. Independent claim 31 also recites that the first interface unit, in the television, generates control signals including at least one of a mouse signal, a keyboard signal, a microphone signal and control signals for controlling the personal computer. Still further, independent claim 31 recites that the first interface unit further encoding the generated control signals in the television and generating a first packet signal in the television by using the encoded control signals, and the first interface unit sending the first packet signal from the television to the personal computer over a communications link.

For at least similar reasons as set forth above, the applied references do not teach or suggest all the features of independent claim 31. Applicant also respectfully submits that independent claim 31 is allowable for at least similar reasons as set forth on page 3, last paragraph of the Office Action. Thus, independent claim 31 defines patentable subject matter.

For at least the reasons set forth above, each of independent claims 1, 21, 31 and 36 defines patentable subject matter. Each of the dependent claims depends from one of the independent claims and therefore defines patentable subject matter at least for this reason. In addition, the dependent claims recite features that further and independently distinguish over the applied references.

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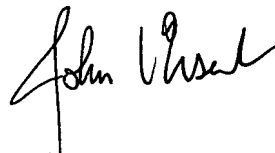
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### **CONCLUSION**

In view of the foregoing, it is respectfully submitted that the application is in condition for allowance. Favorable consideration and prompt allowance of claims 1-2, 21, 24-25, 31 and 34-36 are earnestly solicited. If the Examiner believes that any additional changes would place the application in better condition for allowance, the Examiner is invited to contact the undersigned attorney at the telephone number listed below.

To the extent necessary, a petition for an extension of time under 37 C.F.R. 1.136 is hereby made. Please charge any shortage in fees due in connection with the filing of this, concurrent and future replies, including extension of time fees, to Deposit Account 16-0607 and please credit any excess fees to such deposit account.

Respectfully submitted,  
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